

This listing of claims will replace all prior versions and listings of claim in the application:

Listing of the Claims:

Claims 1 to 21 (cancelled)

22. (new) A laser module comprising:

a carrier element;

a laser diode assembly including a linear array of laser diodes, said laser diode assembly being mounted on the carrier element:

a holder for supporting an array of optical fibers, said holder being mounted on said carrier element spaced from the laser diode assembly to define a gap therebetween and positioned so that the light entrance sides of the fibers are aligned with laser diodes of the laser diode assembly; and

an elongated cylindrical lens positioned in the gap between the holder and the diode laser assembly and spaced from said diode laser assembly, said lens being attached to the light entrance sides of the optical fibers, said lens for receiving radiation emitted from the laser diodes and focusing said received radiation into the associated optical fibers.

23. (new) A laser module as recited in claim 22, wherein said cylindrical lens is defined by an optical fiber.

24. (new) A laser module as recited in claim 22, wherein the carrier is mounted on a Peltier element.

25. (new) A laser module as recited in claim 22, said lens being attached to the light entrance sides of the optical fibers using a bead of glue.

26. (new) A laser module as recited in claim 22, wherein said optical fibers are multimode optical fibers.

27. (new) A laser module as recited in claim 22, wherein the diameter of the cylindrical lens is less than the core diameter of the optical fibers.

28. (new) A laser module comprising:

a carrier element;

a laser diode assembly including a linear array of laser diodes, said laser diode assembly being mounted on the carrier element:

a holder for supporting an array of optical fibers, said holder being mounted on said carrier element spaced from the laser diode assembly to define a gap therebetween and positioned so that the light entrance sides of the fibers are aligned with laser diodes of the laser diode assembly; and

an elongated cylindrical lens positioned in the gap between the holder and the diode laser assembly and spaced from said diode laser assembly, said lens being attached to the light entrance sides of the optical fibers using a bead of glue in a manner to self center and align the cylindrical lens with respect to the light entrance sides, said lens for receiving radiation emitted from the laser diodes and focusing said received radiation into the associated optical fibers.

29. (new) A laser module as recited in claim 28, wherein said cylindrical lens is defined by an optical fiber.

30. (new) A laser module as recited in claim 28, wherein the carrier is mounted on a Peltier element.

31. (new) A laser module as recited in claim 28, wherein said bead of glue is an epoxy adhesive.

32. (new) A laser module as recited in claim 28, wherein said optical fibers are multimode optical fibers.

33. (new) A laser module as recited in claim 28, wherein the diameter of the cylindrical lens is less than the core diameter of the optical fibers.
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